Index for Volume 82 of Plant Disease

AUTHOR AND SUBJECT INDEX. Page numbers of errata are in italic. N indicates disease note. Publication no. D-1998-1028-01O

Abad, Z. G., 1345
Abawi, G. S., 945
Abbas, H. K., 22
Abouzied, M. M., 22
Aceria tosichella
—mosaic virus vector on wheat, in Nebraska, 311
—vector for High Plains virus, 875
Acidovorax avenae
—on citronmelon, 351N
—on watermelon, cover photo, June
Adaskaveg, J. E. , 1165
Adipala, E., 757
Aegerter, B. J., 1282N
Aerobiology, apple scab, 838
Aeschynomene virginica, anthracnose, biocontrol, 374
Agosteo, G. E., 1283N
Agrobacterium vitis, on grape, cover photo, December
Ahn, I. P., 244
Ailanthus glandulosa, wilt, in Greece, 129N
Albrigo, L. G., 983
Alderman, S. C., 89
Aldwinckle, H. S., 646
Alfalfa
—bacterial wilt, seed transmission and identification, 1362
—*Macrophomina phaseolina* on, pathogenicity, 1033
—powdery mildew, in Wisconsin, 832N
—Sclerotinia crown and stem rot, resistance and leaf inoculation, 1161
Alfenas, A. C., 819
Alldredge, J. R., 642
Allingham, J. E., 831N
Allison, J. R., 351N
Allium spp.
—*A. porrum,* purple blotch, in California, 710N
—*A. sativum:* onion yellow dwarf and leek yellow stripe viruses, symptoms and yield loss, 1381; viruses, distribution in Japan, 694
Allmaras, R. R., 386
Alonso-Prados, J. L., 979
Al-Rawahi, A. K., 1100
Alternaria spp.
—*A. alternata,* on sunflower, yield effect in Greece, 41
—*A. brassicicola:* on cabbage, flea beetle transmission, 153; *Thlaspi arvense*, new host, 960N
—*A. cassiae,* on cowpea, first report, 1171N
—*A. cichorii,* on *Cichorium intybus*, in California, 448N
—*A. porri,* on leek, purple blotch in California, 710N
—*A. radicina,* on carrot, detection in California, 891v
Alvarez, A. M., 800
Alvarez, J. M., 979
Amador, J., 836
Amaranthus hybridus, stem decay, in South Africa, 1062N
Ambrosia grayi, root rot, in Texas, 959N
Amelanchier alnifolia, Entomosporium leaf and berry spot, fungicides, 1137
Amitaai, S., 437
Amundsen, T., 761
Anagnostakis, S. L., 440
Andersen, M. T., 606
Andrianifahanana, M., 117
Anemone, tobacco rattle virus, in USA, 712N
Anethum graveolens, celery mosaic virus on, in Italy, 712N
Anger, H., 475
Ann, P. J., 651
Anthracnose of velvet ash, caused by *Discula fraxinea,* in Louisiana, 1401N
Anthurium, bacterial blight, plant interception from Netherlands, 262N
Anthurium andraeanum, bacterial blight, resistance, 800
Aoyagi, T., 857
Aphanomyces euteiches, on pea, bioassay in soil, 386
Apple
—case study using World Wide Web, 452
—fire blight, internal movement of pathogen, 646
—resistance and fungicides, economics, 428
—scab, aerobiology, 838
Apple stem grooving virus, detection with PCR, 785
Arceuthobium campylopodum, on spruce, in California, 351N
Armengol, J., 1281N
Armillaria spp., biological species in Japan, 537
—*A. mellea,* on pear, distribution in California, 1226
Armstrong, S., 251
Arseniuk, E., 187
Asante, S. N. A., 1401N
Ascochyta rabiei, on *Cicer montbretii*, in Bulgaria, 830N
Ash, E. C., 569
Asparagus, crown and root rot, decline, *Fusarium moniliforme* and *F. proliferatum,* in Argentina, 1405N
Aspergillus spp., on fig, fluorescence association, 669
—*A. flavus,* on corn, aflatoxin accumulation, 281
—*A. parasiticus,* on corn, genetic diversity in Illinois, 1132
Assigbétsé, K., 79
Atibalentja, N., 176
Aveling, T. A. S., 1171N
Avocado
—root rot, first report in Italy, 1281N
—white root rot, soil solarization for control, 1088
Aylor, D. E., 838
Azad, H. R., 727

Babadoost, M., 1357
Bactericide
—copper, for *Pseudomonas syringae* on lilac, 397
—copper-based, for bacterial brown spot of bean, 30
—EDTA and nisin for carrot soft-rot, postharvest, 491
Baenziger, P. S., 679
Baggett, J. R., 140
Bailey, J., 1312
Bains, P. S., 1137
Baird, J. H., 771
Banana
—black sigatoka: benomyl resistance in Costa Rica, 931; chlorothalonil for control, 1185; chlorothalonil detected in dew water, 1191
—cucumber mosaic virus, in South Africa, 1171N
—*Radopholus similis,* dissemination in Latin America and the Caribbean, 964
Banana die-back virus, new in Nigeria, 129N
Banana streak badnavirus
—on *Musa* spp., temperature effect, 16
—on plantain, cover photo, January
—in Zanzibar, 1403N
Bandla, M. D., 1282N
Bandyopadhyay, R., 356
Banerjee, N., 1328
Barbara, D. J., 960N
Barker, K. R., 964
Barley
—net blotch, resistance, 316
—stem rust, race QCCJ effect on yield and quality, 674
Barley yellow dwarf virus, on wheat
—aphid vectors in South Carolina, 1328
—yield effect, 620
Barnard, E. L., 569
Barnett, O. W., 836
Basallote-Ureba, M. J., 1088
Bashir, M., 591N
Batlle, A., 979
Bauske, E. M., 117
Bazzi, C., 1288
Beachy, R. N., 1172N
Beales, P. A., 1403N
Bean common mosaic virus, on guar, latent seedborne strain, 765
Bean yellow mosaic virus, on *Sesbania speciosa*, 807
Beck, D. L., 606
Beckham, K. A., 1386
Beet western yellows virus
—on filaree, cover photo, February
—on lentil and chickpea, in Pakistan, 591N
—on sugar beet, lettuce, and spinach, in Oregon, 140
Bell, A. A., 322
Bellardi, M. G., 712N
Bellemann, P., 158
Bemisia tabaci
—geminiviruses in, 1147
—squash yellow leaf curl virus vector, 475
—tomato virus vector, new biotype in Brazil, 830N
—vector for closteroviruses, ecology and epidemiology, 270, *704*
Bereswill, S., 158
Berger, P. H., 98
Berger, R. D., 1142
Bernal, J. J., 979
Berner, D. K., 1242
Bertrans, P. F., 573
Beute, M. K., 1312, 1345
Beyer, D. M., 1404N
Bezerra, I. C., 830N
Biardi, L., 880
Biggs, A. R., 452
Bigirwa, G., 757
Biological control
—bacteria for pear fire blight with bacteria, 661
—*Colletotrichum gloeosporioides* for northern jointvetch, mycoherbicide, 374
—corn damping-off, 294
—*Cryptococcus infirmo-miniatus* for brown rot and blue mold of sweet cherry, 1158
—fungi and bacteria for tomato Fusarium wilt, 1022
—*Plectosporium tabacinum* for *Sagittaria trifolia*, 657
—*Pythium oligandrum* to *Verticillium dahliae* on pepper, 1100
—*Trichoderma* and *Gliocladium* for

Index for Volume 82 of Plant Disease

AUTHOR AND SUBJECT INDEX. Page numbers of errata are in italic. N indicates disease note. Publication no. D-1998-1028-01O

Abad, Z. G., 1345
Abawi, G. S., 945
Abbas, H. K., 22
Abouzied, M. M., 22
Aceria tosichella
—mosaic virus vector on wheat, in Nebraska, 311
—vector for High Plains virus, 875
Acidovorax avenae
—on citronmelon, 351N
—on watermelon, cover photo, June
Adaskaveg, J. E. , 1165
Adipala, E., 757
Aegerter, B. J., 1282N
Aerobiology, apple scab, 838
Aeschynomene virginica, anthracnose, biocontrol, 374
Agosteo, G. E., 1283N
Agrobacterium vitis, on grape, cover photo, December
Ahn, I. P., 244
Ailanthus glandulosa, wilt, in Greece, 129N
Albrigo, L. G., 983
Alderman, S. C., 89
Aldwinckle, H. S., 646
Alfalfa
—bacterial wilt, seed transmission and identification, 1362
—*Macrophomina phaseolina* on, pathogenicity, 1033
—powdery mildew, in Wisconsin, 832N
—Sclerotinia crown and stem rot, resistance and leaf inoculation, 1161
Alfenas, A. C., 819
Alldredge, J. R., 642
Allingham, J. E., 831N
Allison, J. R., 351N
Allium spp.
—*A. porrum,* purple blotch, in California, 710N
—*A. sativum:* onion yellow dwarf and leek yellow stripe viruses, symptoms and yield loss, 1381; viruses, distribution in Japan, 694
Allmaras, R. R., 386
Alonso-Prados, J. L., 979
Al-Rawahi, A. K., 1100
Alternaria spp.
—*A. alternata,* on sunflower, yield effect in Greece, 41
—*A. brassicicola:* on cabbage, flea beetle transmission, 153; *Thlaspi arvense*, new host, 960N
—*A. cassiae,* on cowpea, first report, 1171N
—*A. cichorii,* on *Cichorium intybus*, in California, 448N
—*A. porri,* on leek, purple blotch in California, 710N
—*A. radicina,* on carrot, detection in California, 891v
Alvarez, A. M., 800
Alvarez, J. M., 979
Amador, J., 836
Amaranthus hybridus, stem decay, in South Africa, 1062N
Ambrosia grayi, root rot, in Texas, 959N
Amelanchier alnifolia, Entomosporium leaf and berry spot, fungicides, 1137
Amitaai, S., 437
Amundsen, T., 761
Anagnostakis, S. L., 440
Andersen, M. T., 606
Andrianifahanana, M., 117
Anemone, tobacco rattle virus, in USA, 712N
Anethum graveolens, celery mosaic virus on, in Italy, 712N
Anger, H., 475
Ann, P. J., 651
Anthracnose of velvet ash, caused by *Discula fraxinea,* in Louisiana, 1401N
Anthurium, bacterial blight, plant interception from Netherlands, 262N
Anthurium andraeanum, bacterial blight, resistance, 800
Aoyagi, T., 857
Aphanomyces euteiches, on pea, bioassay in soil, 386
Apple
—case study using World Wide Web, 452
—fire blight, internal movement of pathogen, 646
—resistance and fungicides, economics, 428
—scab, aerobiology, 838
Apple stem grooving virus, detection with PCR, 785
Arceuthobium campylopodum, on spruce, in California, 351N
Armengol, J., 1281N
Armillaria spp., biological species in Japan, 537
—*A. mellea,* on pear, distribution in California, 1226
Armstrong, S., 251
Arseniuk, E., 187
Asante, S. N. A., 1401N
Ascochyta rabiei, on *Cicer montbretii*, in Bulgaria, 830N
Ash, E. C., 569
Asparagus, crown and root rot, decline, *Fusarium moniliforme* and *F. proliferatum,* in Argentina, 1405N
Aspergillus spp., on fig, fluorescence association, 669
—*A. flavus,* on corn, aflatoxin accumulation, 281
—*A. parasiticus,* on corn, genetic diversity in Illinois, 1132
Assigbétsé, K., 79
Atibalentja, N., 176
Aveling, T. A. S., 1171N
Avocado
—root rot, first report in Italy, 1281N
—white root rot, soil solarization for control, 1088
Aylor, D. E., 838
Azad, H. R., 727

Babadoost, M., 1357
Bactericide
—copper, for *Pseudomonas syringae* on lilac, 397
—copper-based, for bacterial brown spot of bean, 30
—EDTA and nisin for carrot soft-rot, postharvest, 491
Baenziger, P. S., 679
Baggett, J. R., 140
Bailey, J., 1312
Bains, P. S., 1137
Baird, J. H., 771
Banana
—black sigatoka: benomyl resistance in Costa Rica, 931; chlorothalonil for control, 1185; chlorothalonil detected in dew water, 1191
—cucumber mosaic virus, in South Africa, 1171N
—*Radopholus similis,* dissemination in Latin America and the Caribbean, 964
Banana die-back virus, new in Nigeria, 129N
Banana streak badnavirus
—on *Musa* spp., temperature effect, 16
—on plantain, cover photo, January
—in Zanzibar, 1403N
Bandla, M. D., 1282N
Bandyopadhyay, R., 356
Banerjee, N., 1328
Barbara, D. J., 960N
Barker, K. R., 964
Barley
—net blotch, resistance, 316
—stem rust, race QCCJ effect on yield and quality, 674
Barley yellow dwarf virus, on wheat
—aphid vectors in South Carolina, 1328
—yield effect, 620
Barnard, E. L., 569
Barnett, O. W., 836
Basallote-Ureba, M. J., 1088
Bashir, M., 591N
Batlle, A., 979
Bauske, E. M., 117
Bazzi, C., 1288
Beachy, R. N., 1172N
Beales, P. A., 1403N
Bean common mosaic virus, on guar, latent seedborne strain, 765
Bean yellow mosaic virus, on *Sesbania speciosa*, 807
Beck, D. L., 606
Beckham, K. A., 1386
Beet western yellows virus
—on filaree, cover photo, February
—on lentil and chickpea, in Pakistan, 591N
—on sugar beet, lettuce, and spinach, in Oregon, 140
Bell, A. A., 322
Bellardi, M. G., 712N
Bellemann, P., 158
Bemisia tabaci
—geminiviruses in, 1147
—squash yellow leaf curl virus vector, 475
—tomato virus vector, new biotype in Brazil, 830N
—vector for closteroviruses, ecology and epidemiology, 270, *704*
Bereswill, S., 158
Berger, P. H., 98
Berger, R. D., 1142
Bernal, J. J., 979
Berner, D. K., 1242
Bertrans, P. F., 573
Beute, M. K., 1312, 1345
Beyer, D. M., 1404N
Bezerra, I. C., 830N
Biardi, L., 880
Biggs, A. R., 452
Bigirwa, G., 757
Biological control
—bacteria for pear fire blight with bacteria, 661
—*Colletotrichum gloeosporioides* for northern jointvetch, mycoherbicide, 374
—corn damping-off, 294
—*Cryptococcus infirmo-miniatus* for brown rot and blue mold of sweet cherry, 1158
—fungi and bacteria for tomato Fusarium wilt, 1022
—*Plectosporium tabacinum* for *Sagittaria trifolia*, 657
—*Pythium oligandrum* to *Verticillium dahliae* on pepper, 1100
—*Trichoderma* and *Gliocladium* for

Rhizoctonia solani, several hosts, 501
—*Trichoderma* for brown rot of stone fruit, postharvest, 1210
—*Typhula phacorrhiza* for gray snow mold control, 1003
Bipolaris spp.
—*B. maydis*, on corn, resistance, 939
—*B. zeicola*, on corn, fungicides, 547
Birch, canker, *Nectria galligena* from, 440
Bird, C. B., 22
Black, M. C., 351N
Blank, C. A., 975
Block, C. C., 775
Blodgett, J. T., 960N, 1062N
Blua, M., 521
Blueberry
—Botrytis blossom blight, resistance and fungicides, 924
—Exobasidium disease, fruit and leaves, 1064N
—leaf rust, first report in Argentina, 1062N
Blumeria graminis
—on winter wheat, virulence in eastern USA, 64
— haustorial function, 507
Bobev, S. G., 1283N
Boerma, H. R., 1017
Bond, J. P., 129N
Borroto, E. G., 263N
Botryosphaeria dothidea, on pistachio, in South Africa, 960N
Botryotinia fuckeliana
—anilinopyrimidines for control, genetics, 496
—on cabbage, in Marion Island, 710N
Botrytis spp.
—*B. cinerea:* on blueberry, cover photo, August; on blueberry, cultivar resistance and fungicides, 924; on broad bean, phototropism, 850; on grape, cluster tightness effect, 107; on plum and nectarine, growth affected by exudates, 165
—*B. fabae*, on fava bean, in California, 831N
Boyle, C., 507
Brainard, K. A., 127N
Brantner, J. R., 896
Brenneman, T. B., 578, 1064N
Briere, S. C., 831N
Brlansky, R. H., 94
Broccoli
—bacterial blight, new disease, 727
—*Pythium polymastum*, in California, 1282N
Brown, G. E., 415
Bruckart, W. L., 832N, 1405N
Bruton, B. D., 512
Buckley, J. B., 263N
Burgess, T., 368
Burkholderia sp., corn damping-off controlled by, 294
—*B. cepacia*, cotton seedling damping-off controlled by, 291
Burner, D. M., 285
Burr, T. J., 1288
Bustamante, P. I., 50
Busto, J., 1281N
Butler, M. D., 89
Butternut, canker, first report in New Brunswick, Canada, 1282N
Butzler, T. M., 1312
Byrne, J. M., 639

Cabbage
—Alternaria leaf spot, flea beetle transmission, 153
—clubroot, in North Carolina, 129N
Cabbage leaf curl virus, location in whitefly vector, 1147
Cacciola, S. O., 1281N, 1283N, 1401N
Calonectria ilicicola, on partridgepea and sicklepod, 1064N
Campbell, D. L., 121
Capsicum (see also Pepper)
—*C. annuum:* anthracnose, resistance and infection factors, 1079; cucumber mosaic virus, *Commelina* spp. effect, 1172N; cucumber mosaic virus, strain D, cover photo, December; cucumber mosaic virus, viral satellite RNAs for prevention, 1298; Phytophthora root and crown rot, phosphite effect, hydroponic culture, 1165; root and crown rot, metalaxyl insensitivity, 1283N; *Sclerotinia minor* on, in California, 832N; tomato spotted wilt virus, epidemiology in Georgia, 752; Verticillium wilt, biocontrol with *Pythium*, 1100; Verticillium wilt, virulent isolate, 437
—*C. chinense*, tomato spotted wilt virus, temperature and growth stage relation, virus pattern, 1199
—*C. pubescens*, bacterial spot, resistance to race 6, 794
Carduus thoermeri, thistle rust, in Oklahoma, 832N
Cardwell, K. F., 710N
Carica papaya, leaf curl, in India, 126N
Carling, D. E., 127N
Carlos, E. F., 94
Carney, K. J., 1350
Carob, *Pseudocercospora ceratoniae*, in Sicily, 1401N
Carroll, R. B., 337
Carrot
—bacterial leaf blight, seed contamination, 1271
—black rot, detection in California, 891
—soft-rotting bacteria, EDTA and nisin inhibition, 491
Carson, M. L., 1043
Cartwright, R. D., 22
Casali, V. W. D., 1142
Cassava
—bacterial blight, detection by PCR, 79
—East African cassava mosaic virus, in Cameroon, 1172N
Cassava common mosaic virus, on chaya, in Tuvalu, 591N
Cassava root rot, caused by *Macrophomina phaseolina*, in Benin and Nigeria, 1402N
Cassia fasciculata, Cylindrocladium black rot, first report, 1064N
Castle, S., 1248
Catharanthus roseus
—choanephora flower spot and blight, 447N
—*Xylella fastidiosa* on, in Brazil, 712N
Cauliflower, *Pythium polymastum*, in California, 1282N
Cavileer, T. D., 98
Cease, K. R., 239
Celery, Fusarium yellows, chitin and chitosan effect, 322
Celery mosaic virus, on dill
—cover photo, June
—in Italy, 712N
Cephaleuros virescens, on blackberry, 263N; cover photo, February
Cephalosporium gramineum, on wheat
—pH and matric potential effect, 975
—seedling resistance assay, 1126
Ceratocystis fagacearum, on oak, nitidulid acquisition, 239
Cercospora spp.
—*C. beticola*, on sugar beet, model for industry, 716
—*C. capsici*, on pepper, cover photo, September
—*C. sojina*, on soybean, resistance, 1017
Cereato, C., 350N
Cerkauskas, R. F., 351N
Cervantes, L. A., 1158
Chalfant, R. B., 752
Chand-Goyal, T., 1158
Chang, C. A., 45, 1121
Chapin, J. W., 1328
Chellemi, D. O., 831N
Chen, C. (La.), 129N
Chen, C. C. (China), 45
Chen, J.-T., 74
Chern, L. L., 651
Cherry
—stem pitting, RNA analysis, 871
—sweet, *Podosphaera clandestina*, weather factors, 741
Chickpea (see also *Cicer montbretti*)
—faba bean necrotic yellows and beet western yellows viruses, in Pakistan, 591N
Cho, K. Y., 657
Choanephora cucurbitarum, on periwinkle, 447N
Chovelon, V., 1381
Christie, R. G., 1172N
Chrozophora tinctoria, vascular wilt, in Spain, 1063N
Chrysanthemum, tomato spotted wilt virus, viral nucleocapsid gene, 407
Chrysanthemum stem necrosis tospovirus, on tomato, in Brazil, 1403N
Chung, H. S., 244
Chung, Y. R., 657
Cicer montbretii (see also Chickpea)
—Ascochyta blight, in Bulgaria, 830N
Cichorium intybus, leaf spot, in California, 448N
Cintra, M., 263N
Citrullus lanatus, Acidovorax avenae on, 351N
Citrus
—anthracnose, postharvest, 415
—melanose, copper fungicides for, 983
—Phytophthora foot rot, metalaxyl-resistant isolates, 254
—Phytophthora root rot, composted municipal waste effect, 683
—*Phytophthora* spp., root rot and gummosis resistance, 1217
—*Tylenchulus semipenetrans*, fumigation and chemical treatment for, 1323
Citrus tristeza virus, isolate differentiation, in sweet orange, 1276
Clark, C. A., 129N, 530, 953, 1253, 1341
Clarke, R. C., 98
Clarkson, J. D. S., 1403N
Clavibacter spp.
—*C. michiganensis*, on alfalfa seed, PCR for identification, 1362
—*C. lavibacter xyli*, on sugarcane, detection with PCR, 285
Claviceps spp.
—*C. africana*, on sorghum: first report in USA, 592N; in Mexico, 447N; weather effect, South Africa, 26
—*C. purpurea*, on Kentucky bluegrass, distribution and seed loss, 89
—*C. sorghi*, on sorghum, disease threat in Americas and Australia, 356
Clement, S. L., 738
Cline, W. O., 1064N
Closterovirus, whitefly-transmitted, ecology and epidemiology, 270, *704*
Clover, *Macrophomina phaseolina* on, pathogenicity, 1033
Cnidoscolus chayamansa, common mosaic virus on, in Tuvalu, 591N
Coats, D. D., 89
Cobb, A. C., 153, 235, 960N
Cochliobolus heterostrophus, on corn, parasitic fitness, 1043
Cody, B. R., 129N
Coffee, leaf scorch, *Xylella fastidiosa* comparison, 94
Cohen, J., 127N

Colinet, D., 223, 785
Colletotrichum spp.: on citrus, postharvest anthracnose, 415; on various fruits, characterization, 596
—*C. coccodes:* on pepper, resistance and infection factors, 1079; on soybean, 959N; on tomato, dew period and temperature effect, 639; on tomato, survival in tissue and soil, 235
—*C. falcatum,* on sugarcane, Pythium root rot effect on red rot, oxygen effect, 1237
—*C. gloeosporioides:* on lupin, in Poland, 350N; on northern jointvetch, myco-herbicide, 374; on St. John's-wort, in Hungary, 711N, on Russian-thistle, 1405N
—*C. lindemuthianum,* on bean, race identification using molecular markers, 1084
—*C. truncatum,* on lentil, in Bulgaria, 128N
Colquhoun, I., 368
Commelina spp., in pepper and tobacco fields, cucumber mosaic virus association, 1172N
Compost, municipal waste, *Phytophthora* on citrus suppressed by, 683
Conca, G., 959N
Conkling, M. C., 1319
Conn, K. L., 631
Cook, R. J., 836
Cooksey, D. A., 727
Corn
—aflatoxin, resistance, 281
—*Aspergillus parasiticus,* genetic diversity in Illinois, 1132
—damping-off, seed treatment and biocontrol, 294
—Diplodia ear rot, resistance and diallel analysis, 699
—ear rot pathogens, tillage practice effect, 781
—*Fusarium moniliforme* on, fumonisins in ears, 953
—High Plains virus, host range, 875
—Mal de Rio Cuarto virus, in Argentina, 448N
—Marasmiellus leaf disease, in West Africa, 710N
—northern leaf blight, disease severity and yield, 57
—northern leaf spot and rust, fungicides for, 547
—red root rot, fungi associated, 337
—southern leaf blight, parasitic fitness of isolates, 1043
—Stewart's disease, seed transmission, 775
—Stewart's wilt, rust, and leaf blights, resistance, 939
Cornus spp., powdery mildew, occurrence, 383
Corsini, D. L., 98
Costa, H., 1403N
Cotton
—boll rot, premature in Louisiana, 711N
—damping-off, *Rhizoctonia solani*-induced, herbicide effect, 110
—seedling damping-off, control, 291
—Stemphylium leaf blight, outbreak in Brazil, 333
—tomato spotted wilt virus, 959N
Coutinho, A., 94
Coutinho, T. A., 819
Cover photo
—amaryllis, leaf scorch, April
—anthracnose of bottle-neck squash, December
—apple, Phomopsis blight, July
—apple scab: April; symptoms, August
—arrowhead blight, June
—avocado root rot, November
—banana streak badnavirus, plantain, January
—beet western yellows virus on filaree, February
—blackberry cane infection, February
—blossom blight of blueberry, August
—broccoli, *Pseudomonas syringae*, July
—carob leaf spot, December
—celery mosaic virus on dill, June
—Cercospora leaf spot of pepper, September
—coffee leaf scorch, January
—corn northern leaf blight, January
—cranberry fruit rot, November
—*Exobasidium vaccinii,* on blueberry, September
—grape crown gall, December
—lettuce, Sclerotinia drop, October
—*Melampsora lini*, on linseed, October
—Moroccan watermelon mosaic virus, March
—peanut collar rot, November
—pepper bacterial spot, February
—pineapple mealybug wilt, August
—poinsettia powdery mildew, January
—potato white mold, May
—*Puccinia psidii* on *Syzygium jambos*, July
—purple coneflower, phyllody and aster yellows, October
—*Rhizopus stolonifer* on almond, September
—sainfoin powdery mildew, May
—*Sphacelia sorghi* on sorghum, April
—spruce brown felt blight, March
—sunflower virosis, May
—tomato chlorosis virus, March
—tomato spotted wilt virus, on peanut, August
—watermelon blotch, June
Cowger, C., 1126
Cox, P. J., 1283N
Cranberry
—early rot, in Wisconsin, 350N
—fruit rot: cover photo, November; in Northeast USA, complex disease, 1176
—rose bloom disease, in Massachusetts, 447N
Crataegus monogyna, fire blight, in Bulgaria, 1283N
Crawford, W. E., 1386
Creamer, R., 905, 1248
Crepel, C., 1283N
Criconemella xenoplax, on peach, wheat interplanting effect, 573
Crous, P. W., 819
Crowe, F. J., 89
Cruz, J., 1185, 1191
Ctenanthe oppenheimiana, Pyricularia leaf spot, new disease, 465
Cubeta, M. A., 129N
Cucumber, bacterial wilt, weeds as reservoirs, 521, zucchini lethal chlorosis tospovirus, in Brazil, 1403N
Cucumber mosaic virus
—on banana, in South Africa, 1171N
—Bulgarian isolates, satellite RNAs, 960N
—on cowpea, seedborne, 419, *703*
—on pepper, cover photo, December
—on pepper and melon, viral satellite RNAs for prevention, 1298
—on pepper and tobacco, spiderwort influence, 1172N
—on tomato, field tolerance, 391
—on wasabi, in Australia, 590N
—in Zanzibar, 1403N
Cucumis sativus, Fusarium wilt, vegetative compatibility groups, 244
Cucurbita spp.
—*C. melo,* cucumber mosaic virus, viral satellite RNAs for prevention, 1298
—*C. pepo,* papaya ringspot virus, cross-protection in Brazil, 171
Cucurbits, yellow vine disease, phloem-limited bacterium association, 512
Culbreath, A. K., 900, 1121, 1282N
Cullen, R. E., 831N
Cummins, J. N., 646
Cyamopsis tetragonoloba, latent seedborne virus in, 765
Cylindrocarpon obtusisporum, on grape, in California, 448N
Cymbidium mosaic virus, on orchid, first report in Costa Rica, 1171N
Cynodon dactylon, spring dead spot, resistance, 771
Cyperus esculentus, tuber rot, in Spain, 1281N
Cytophaga spp., on carrot, soft rot control, postharvest, 491

Dabek, A., 591N
Dagoberto, E., 149
Dahal, G., 16
Dahlberg, J., 590N
Dal Bello, C., 1062N
Damann, K. E., Jr., 285
Damsteegt, V. D., 69
Dankers, H. A., 831N
Dargeviciute, A., 1405N
Datnoff, L. A., 919
Daub, M. E., 407
Daubert, S. D., 880
Davino, M., 1281N
Davis, R. M., 322, 891, 1271, 1282N
de Ávila, A. C., 830N, 1403N
de Barros, E. G., 1084
de la Fuente, M. E., 1404N
De La Torre, R., 1253
de Neergaard, E., 1401N
Delecolle, B., 1381
Delfosse, P., 343
de Lima, J. E. O., 94
Dellavalle, G., 351N
de Mackiewicz, D., 521
Dematophora necatrix, on avocado, control by soil solarization, 1088
De Sa, P. B., 1386
Desjardins, A. E., 953
Desmodium sp., peanut stunt cucumovirus, 1402N
Devonshire, J., 591N
Diaporthe citri, on grapefruit, copper fungicides for, 983
Diaporthe phaseolorum var. *meridionalis,* on soybean, from Ghana, 1401N
Didymascella thujina, on red-cedar, protein analysis, 210
Didymella bryoniae, fungicide resistance, South Carolina and New York, 479
Dietzgen, R. G., 992
Díez, M. J., 1199
Dillard, H. R., 153, 235, 960N
Dill-Macky, R., 674
Discula fraxinea, cause of anthracnose, on velvet ash, in Louisiana, 1401N
Dorrance, A. E., 442, 699
Doss, R. P., 738
Doster, M. A., 669
Dotray, P., 959N
Douiyssi, A., 316
Dowler, C. C., 752
Drenth, A., 811, 1048
Dubin, H. J., 1055
Duffus, J. E., 84, 270, *704*
Dujovny, G., 470
Dunne, B., 251
du Toit, L. J., 57, 939Dwyer, J. D., 832N

Eastburn, D. M., 176
Edmunds, J. I., 832N
Ekramoddoullah, A. K. M., 210
Elazegui, F. A., 705
Elkins, R. B., 1226
Ellis, M. A., 329, 428
Entomosporium mespili, on *Amelanchier alnifolia,* fungicides for, 1137
Eriobotrya japonica, root and foot rot, in Taiwan, 651
Eriophyes insidiosus, peach mosaic virus transmitted by, 1371
Erlich, O., 437

Errata, vol. 82, no. 3, p. 270, *704;* vol. 82, no. 4, p. 419, *703*
Eruca sativa, downy mildew, in California, 1063N
Erwinia spp., on carrot, soft rot control, postharvest, 491
—*E. amylovora:* on apple, internal movement, 646; on *Crataegus monogyna* and *Pyrus pyraster*, in Bulgaria, 1283N; pEA29 marker, instability for strain classification, 1334; on pear, biocontrol with bacteria, 661; on pome fruit, morphology in culture, 158; on sweetpotato, in Louisiana, 129N
—*E. chrysanthemi,* on tomato, in Florida, 831N
—*E. stewartii,* on corn, resistance, 939
—*E. tracheiphila,* weeds as host reservoirs, 521
Erysiphe sp., on tomato, in Spain, 592N
Esele, J. P., 757
Eucalyptus spp.
—*Phytophthora cinnamomi*, oxygen effect, 368
—rust, international implications, 819
Evans, T. A., 69
Eversmeyer, M. G., 987
Exobasidium spp., on highbush blueberry, 1064N
—*E. oxycocci,* on cranberry, in Massachusetts, 447N
—*E. vaccinii,* on blueberry, cover photo, September
Exserohilum turcicum
—on corn: cover photo, January; resistance, 939
—on sweet corn, yield effect, 57
Extension plant pathlogy, tree fruits and grapes, World Wide Web role, 452

Faba bean necrotic yellows virus, on lentil and chickpea, in Pakistan, 591N
Facteau, T. J., 1158
Faedda, R., 1283N, 1401N
Fajardo, M., 1185, 1191
Faria, J. C., 830N
Fauquet, C. M., 1172N
Fernandes, J. J., 830N
Ferrandino, F. J., 440
Ferree, D. C., 428
Festuca arundinacea, Neotyphodium endophytes, PCR detection, 738
Fig, *Aspergillus* and fluorescence, in California, 669
Fire blight, on Indian hawthorn, in Louisiana, 1402N
Flag smut, caused by *Urocystis agropyri*, on wheat, in the U.K, 1403N
Fleischer, S. J., 521
Fletcher, J., 512
Flett, B. B., 26
Flett, B. C., 781
Focus, 3, 139, 269, 355, 451, 595, 715, 835, 963, 1067, 1175, 1287
Fogle, D., 590N
Fondong, V. N., 1172N
Forbes, G. A., 811
Förster, H., 1165
Forster, R. L. S., 606
Fourie, D., 307
Fourie, J. F., 165
Franc, G. D., 831N
Franke, M. D., 578
Frankliniella fusca, tomato spotted wilt virus multiplication, 1282N
Fránová-Honetšlegrová, J., 544
Fravel, D. R., 1022
Frederickson, D. E., 356
Frederiksen, R. A., 1232
Freeman, S., 596
Frencel, I. M., 350N
Fritz, V. A., 386
Fry, W. E., 811
Fuchs, M., 1350
Fujita, S., 928
Fukuda, K., 537
Fukui, H., 800
Fukui, R., 800
Funada, C. K., 712N
Fungicides (general) (see also Fungicides, specific)
—apple scab, control economics, 428
—Botrytis blossom blight on blueberry, 924
—chitin and chitosan amendments for celery, 322
—copper, citrus melanose control, 983
—*Didymella bryoniae* resistance to benomyl and thiophanate-methyl, 479
—Entomosporium leaf and berry spot control in Saskatoon, 1137
—northern leaf spot and rust control, 547
—organic acids, for postharvest fruit decay, 689
—organic and inorganic salts, for potato silver scurf, postharvest, 213
—peanut collar rot, seed and plant treatments, 1205
—peanut Sclerotinia blight, integrated management and fungicide timing, 1312
—peanut stem rot, isolate sensitivity, 578
Fungicides (specific) (see also Fungicides, general)
—anilinopyrimidine, *Botryotinia fuckeliana* control, 496
—benomyl, *Mycospharella fijiensis* resistance, 931
—chlorothalonil: for banana black sigatoka, 1185; detection in dew water, application for black sigatoka in banana, 1191
—metalaxyl: citrus foot and root rot, resistant isolates, 254; *Pythium* on sugar beet, variability, 896
—metalaxyl and fosetyl-aluminum, strawberry leather rot control, 329
—metam sodium, Fusarium crown and root rot in tomato, 919
—pentachloronitrobenzene, stem rot of peanut, 103
Funt, R. C., 428
Fusarium spp.: on *Amaranthus hybridus*, first report in South Africa, 1062N; on corn, tillage effect, 781; corn damping-off, biocontrol, 294; on soybean, soft rot in Argentina, 1063N
—*F. acuminatum:* on corn, red root rot, 337; on wheat, resistance evaluation, 300
—*F. moniliforme,* on corn, fumonisins in ears, 953; crown and root rot of asparagus, asparagus decline, in Argentina, 1405N
—*F. oxysporum:* on celery, chitin and chitosan effect, 322; on cucumber, vegetative compatibility groups and pathogenicity, 244; on sugar beet, temperature and soil moisture effect, 1039; on sweetpotato and tobacco, isolate relations, 530; on tomato, biocontrol with fungi and bacteria; 1022; on tomato, metam sodium for management, 919; on turnsole, in Spain, 1063N
—*F. proliferatum,* on rice, fumonisin occurrence, 22; crown and root rot of asparagus, asparagus decline, in Argentina, 1405N
—*F. solani,* on soybean: sudden death syndrome, 999; in Canada, 448N; soil variables in Iowa, 1152
Fusarium wilt, on Paris daisy (*Argyranthemum* [*Dendranthema*] *frutescens*), 1403N

Gadoury, D. M., 761
Gally, T., 1063N
García-Arenal, F., 979
García-Jiménez, J., 1281N
Garibaldi, A., 1403N
Garlic, white rot, planting date effect, 1142
Garlic latent virus, identification and distribution in Japan, 694
Garlic mosaic virus, identification and distribution in Japan, 694
Garnsey, S. M., 1276
Garrett, K. A., 30
Garrido-Ramirez, E. R., 592N
Gay, J. D., 351N, 935
Geider, K., 158
Geils, B. W., 351N
Gera, A., 127N
Geske, S. M., 610
Ghabrial, S. A., 419, *703*, 1402N
Ghedini, R., 350N
Gibberella zeae, on wheat, vomitoxin variability from, 625
Gibson, R. W., 4, 1063N
Gilbertson, R. L., 592N, 830N, 891, 1271
Gildow, F. E., 521
Gillaspie, A. G., Jr., 419, *703*, 765, 807, 1402N
Giménez Pecci, M. P., 149
Gispert, C., 905
Gitaitis, R. D., 351N, 752, 935
Gliocladium spp., biocontrol agent for *Rhizoctonia solani*, 501
Gloger, K., 831N
Glomerella sp., on apple, common name resolution, letter, 267
Gnanamanickam, S. S., 36
Goh, Y.-K., 129N
Golino, D. A., 880
Gonsalves, D., 1062N, 1350
González, B., 1063N
González, J., 263N
Gonzalez, M. S., 590N
Gonzalez, T. G., 832N
Gooch, M. D., 831N, 1386
Goodwin, S. B., 811
Góral, T., 187
Götz, M., 507
Goulden, D., 251
Gourley, L. M., 590N
Graham, J. H., 254, 683
Grape
—black-foot disease, in California, 448N
—Botrytis bunch rot, cluster tightness, 107
—case study using World Wide Web, 452
—crown gall, biology of bacterium and disease control strategies, 1288
—decline, in California, 590N
—leafroll virus, in New York, 1062N
Grapefruit
—green mold, air quarantine treatment, 380
—psorosis-like agent, in Florida, 208
Gray, S. M., 1328
Griffin, T., 832N
Griffith, C. S., 121
Grisham, M. P., 285
Gross, M. K., 1012
Groth, D. E., 1282N
Grove, G. G., 452, 741
Groves, R. L., 959N
Guar green-sterile virus, strain of bean common mosaic virus, seedborne, 765
Gubler, W. D., 107, 590N
Gudauskas, R. T., 117
Gullino, M. L., 1403N
Guo, Y. H., 1404N
Gustafson, H. L., 646
Guthrie, J. N., 1107, 1112
Guttierrez, W. A., 485

Hajimorad, M. R., 419, *703*
Hallan, V., 126N, 127N
Halseth, D. E., 213
Hamm, P. B., 642
Hammond, R., 50

Hampton, R. O., 140
Hancock, J. G., 1100
Hannan, R. M., 128N, 830N
Hanson, P. M., 74
Hanudin, 74
Hardy, G., 368
Harrison, K. J., 1282N
Harrison, S. A., 1341
Hart, L. P., 625
Hartley, R., 935
Hartman, G. L., 560, 826, 959N, 999
Hartung, J. S., 94
Harveson, R. M., 1039
Harvey, T. L., 875
Hausbeck, M. K., 639
Hazanovsky, M., 437
Hebbar, P. K., 294
Hedera helix
—powdery mildew, in California, 127N
—zeatin riboside concentration, 914
Hein, G. L., 311
Helminthosporium solani, on potato, postharvest treatments, 213
Henderson, D. H., 710N, 727, 832N
Hendrix, F. F., Jr., 347
Hennen, J. F., 1172N
Herbicide, cotton damping-off, incidence, 110
Heterodera glycines, on soybean:
—cropping sequence and seed yield, 615
—sudden death syndrome, soil variables in Iowa, 1152
Heydari, A., 110, 291
Hibiscus chlorotic ringspot virus, in Tuvalu, 591N
Hiebert, E., 1147, 1386
Higgins, C. M., 992
High Plains virus, on wheat, wheat streak mosaic virus mixture, wheat curl mites, 311
Hilber, U. W., 496
Hilber-Bodme, M., 496
Hilde, D., 716
Hill, J. H., 775
Hill, J. P., 300
Hill, K., 831N
Hinkelmann, K. H., 699
History, War Emergency Board, America plant pathologists, 121
Hobbs, H. A., 343
Hoffman, D. D., 826
Hoffman, T. K., 620
Hoffmann, K., 610
Holcomb, G. E., 263N, 1283N, 1401N, 1402N
Hollowell, J. E., 1345
Holmes, G., 1248
Holtz, B. A., 1210, 1375
Holz, G., 165
Honda, Y., 850
Honeysuckle, tobacco streak ilarvirus, 1402N
Hong, C. X., 195, 1210, 1375
Hong, J. K., 1079
Hopkins, D. L., 569
Hopkins, M. S., 765, 807
Horseradish, Verticillium wilt, resistance in Illinois, 176
Hotchkiss, A. T., 491
Hotchkiss, M. W., 347
Howard, R. J., 1137
Howell, W. E., 909
Howells, C., 591N
Hoy, J. W., 1237
Hoy, M. W., 129N, 530
Hsiang, T., 1003
Hsu, H. T., 1171N
Huang, Y. H., 560, 999
Hubbard, J. C., 322
Hughes, G., 885
Hughes, J. D'A., 16, 129N, 1403N
Hunt, R. S., 264N
Hunter, W. B., 1147
Hurley, J. E., 1282N
Hwang, B. K., 1079
Hyakumachi, M., 218, 857
Hypericum performatum, anthracnose, in Hungary, 711N
Hyun, J-W., 530

Indian hawthorn, fire blight, in Louisiana, 1402N
Indian peanut clump virus, on peanut and millet, seed transmission, 343
Inglis, D. A., 442
Inonotus tomentosus, on white spruce, in Yukon, 264N
Inoue-Nagata, A. K., 1403N
Instructions to authors, 132
Iris yellow spot virus, in onion, in Israel, 127N
Irwin, J. A. G., 1048
Isakeit, T., 351N, 592N
Islam, S. Z., 850

Jain, R. K., 765, 900
James, D., 909
James, R. V., 434
Jarosz, A. M., 639
Jensen, S. G., 311, 875
Jiang, Z.-Y., 1062N
Jock, S., 158
Johnson, D. A., 642
Johnson, K. B., 661
Johnson, S. B., 832N
Johnson, W. C., III, 935
Jones, A. L., 1334
Jones, J. B., 351N
Jones, J. P., 1282N
Jones, P., 591N
Jones, R., 591N
Jordan, R. L., 807
Jørgensen, H. J. L., 1093
Juba, J. H., 1402N
Juzwik, J., 239

Kageyama, K., 218, 857
Kaiser, W. J., , 830N, 1063N, 128N
Kaitisha, G. C., 1063N
Kalmia latifolia, Pseudomonas syringae leaf blight, 1171N
Kaper, J. M., 391, 1298
Karasev, A. V., 1276
Karyeija, R. F., 4
Kasdorf, G. G. F., 1171N
Katan, T., 596
Keinath, A. P., 479
Keller, K. E., 140
Keller, N. P., 103
Kemble, J. M., 117
Kendig, S. R., 247
Kennedy, G. G., 959N
Kenty, M. M., 1017
Kim, D. H., 831N, 1165
Kim, H. T., 657
Kirkpatrick, B. C., 871
Kitajima, Elliot W., 1403N
Kitto, S. L., 69
Klein, L. A., 383
Kleinhenz, M. D., 832N
Klinton, H., 831N
Kloppers, F. J., 710N
Knudsen, T., 716
Kobayashi, K., 1064N
Koike, S. T., 127N, 128N, 591N, 710N, 711N, 727, 831N, 832N, 1063N, 1172N
Kolb, F. L., 620
Kondo, N., 928, 1064N
Koo, S. J., 657
Kope, H. H., 210
Koponen, H., 1304
Kousik, C. S., 181
Kraft, J. M., 251
Kramer, C. L., 987
Kritzman, G., 631
Kucharek, T. A., 1172N, 1386
Kull, L., 560
Kumar, J., 1368
Kummert, J., 223, 785
Kunrong, C., 992
Kuy, S.-R., 738
Kyle, D. E., 555

Lagopodi, A. L., 41
la Grange, N., 1171N
Laguna, I. G., 149
Lambert, D. H., 832N
Lamboy, J. S., 153
Lamey, H. A., 716
Lange, R. M., 1137
Larkin, R. P., 501, 1022
Larsen, R. C., 1064N
Lasiodiplodia theobromae, on peanut
—cover photo, November
—fungicides and resistance, 1205
Latha, S., 262N
Latin, R., 1012
Laviña, A., 979
Lawrence, G. W., 711N
Lazarovits, G., 631
Leach, J. E., 1337
Leath, S., 64, 423
Leci, E., 631
Lee, R. F., 208, 1276
Lee, T. A., Jr., 103
Lee, Y.-H., 244
Leek yellow stripe virus, on garlic
—identification and distribution in Japan, 694
—symptoms and yield loss, 1381
Leite, R. P., Jr., 712N
Leitz, R. A., 826
Lenardeon, S., 470
Lentil, faba bean necrotic yellows and beet western yellows viruses, in Pakistan, 591N
Leonard, K. J., 1391
Lepoivre, P., 223, 785
Le Roux, H. F., 1323
Lesemann, D.-E., 262N
Lester, D. F., 117
Letters
—certification, 836
—common names, resolution, 267
Lettuce
—drop, integrated management, 1068
—root-knot nematode, management with cover crop, 945
—root rot, commercial production facility, 831N
Lettuce chlorosis virus, characterization and field assessment, 1248
Leveillula taurica, on sainfoin, cover photo, May
Lewis, J. A., 294, 501
Li, R. H., 84, 270, *704*
Liang, X., 129N
Liao, C.-H., 491
Licardo, O., 74
Liefting, L. W., 606
Lilac, *Pseudomonas syringae* on, copper bactericides, 397; witches'-broom, in North Dakota, 1404N
Lima, M. F., 830N
Limonium spp., downy mildew, in California, 591N
Lindqvist, H., 1304
Linospora tetraspora, on poplar, in Pacific Northwest, 590N
Lisa, V., 351N
Little, E. L., 727
Littlefield, L. J., 832N
Liu, H.-Y., 84, 270, *704*
Liu, L., 322

Liu, X., 129N
Liying, Y., 992
Lockhart, B. E. L., 16, 262N, 712N
Lolium perenne, Rhizoctonia solani, temperature and leaf wetness effects, 1012
Lommel, S. A., 423
Long, D. L., 1391
Longmore, J., 606
Lopez, F., 1185, 1191
Lopez, M. V., 475
López-Carbonell, M., 914
López-Herrera, C. J., 1088
Lori, G., 1063N, 1405N
Loria, R., 213
Lot, H., 1381
Lotrakul, P., 129N, 1253
Louw, S. vdM., 1062N
Lowery, T., 351N
Lu, M., 953
Luis-Arteaga, M., 979
Lukezic, F. L., 521
Lumia, V., 350N
Lumsden, R. D., 294
Lundeen, P., 264N, 1152
Luo, Y., 374
Lupin, anthracnose, in Poland, 350N
Luster, D. G., 832N

MacDonald, G., 935
Maciel-Zambolim, E., 830N
Macrophomina phaseolina
—cause of cassava root rot, in Benin and Nigeria, 1402N
—on alfalfa and white clover, tissue maturity, 1033
—on soybean, tillage effect and yield, 247
Madden, L. V., 329, 428
Maes, M., 1283N
Maffia, L. A., 1142
Magnano di San Lio, G., 1281N
Magnaporthe grisea, hosts in India, mating type and fertility, 36
Mahmood, T., 311
Maize (see Corn)
Maize rayado fino virus, resistance, evaluation, 50
Makkouk, K. M., 591N
Mal de Río Cuarto virus, in wheat, in Argentina, 149
Manandhar, H. K., 1093
Mao, W., 294, 337
Mapuranga, N., 1404N
Marasmiellus paspalli, on corn, in West Africa, 710N
Marin, D. H., 964
Marinho, V. L. A., 785
Marshall-Farrar, K. D., 434
Martin, D. L., 771
Martin, T. J., 875
Martinson, C. A., 547, 1264
Masuka, A. J., 263N
Matheron, M. E., 1217
Mathiasen, R. L., 351N
Mathre, D. E., 836, 1357
Mathur, S. B., 1093
Matsushita, N., 537
Mavrodieva, V. A., 960N
McAlpin, C. E., 1132
McComb, J., 368
McDaniel, L. L., 69
McDaniel, R. G., 1064N
McFerson, J. R., 1350
McGee, D. C., 584, 775
McGovern, R. J., 569, 919
McGrath, M., 434
McLain, J., 1248
McLaren, N. W., 26, 356, 781
McLaughlin, M. R., 1033
McLean, K. S., 711N
McManus, P. S., 350N
Mehta, Y. R., 333
Melampsora lini, on linseed, cover photo, October
Melero-Vara, J. M., 1088
Meloche, C., 639
Meloidogyne sp., on tobacco, resistance gene mapping, 1319
—*M. hapla,* on lettuce, sudangrass as cover crop, 945
Melon (see also Watermelon)
—mosaic viruses, distribution in Spain, 979
Meredith, F. I., 22
Mergoum, M., 300
Mesquita, A. G. G., 1084
Mew, T. W., 1007, 1337
Meyer, J. M., 239
Meyer, J. R., 573
Mian, M. A. R., 1017
Michailides, T. J., 195, 669, 1210, 1375
Microsphaera pulchra, on *Cornus,* 383
Mihov, M., 128N, 830N
Miller, D. J., 832N
Miller, S. A., 262N, 794
Millet, Indian peanut clump virus, seed transmission, 343
Minuto, A., 1403N
Miranda, V. S., 94
Misaghi, I. J., 110, 291
Misra, M. K., 584
Mitchell, D. J., 683
Mizubuti, E. S. G., 213, 1142
Momol, E. A., 646
Momol, M. T., 646
Monilinia fructicola
—ascospore discharge and germination, temperature effect, 195
—on cherry, postharvest control, 689
—on stone fruits: apothecial development, 1375; postharvest, wounding and inoculum density, biocontrol, 1210
Mónaco, C., 1405N
Montasser, M. S., 1298
Moreira, L., 1171N
Moreira, M. A., 1084
Moret, A., 914
Moriones, E., 979
Moroccan watermelon mosaic virus, on zucchini
—cover photo, March
—in Italy, 351N
Morris, J. B., 765
Mosquera, G., 79
Moyer, J. W., 407, 610, 959N
Mráz, I., 544
Msikita, W., 1402N
Muehlbauer, F. J., 128N, 830N
Mueller, D. S., 826
Mundt, C. C., 1126
Murata, K., 928
Murphy, J. F., 117
Murphy, J. P., 423
Murray, T. D., 975
Murthy, A. K., 343
Mushroom, button, *Trichoderma harzianum* biotype Th4, in California, 1404N
Mycoleptodiscus terrestris, on forage legumes and soybeans, in Wisconsin, 126N
Mycosphaerella spp.
—*M. fijiensis:* on banana, benomyl resistance in Costa Rica, 931; on banana, chlorothalonil for control, 1185; on banana, chlorothalonil for control, detection in dew water, 1191
—*M. pinodes:* on pea, in Bulgaria, 830N; on pea, resistance, 251
Mycotoxin
—aflatoxin in fig, fluorescence association, 669
—aflatoxins, on corn hybrids, 281
—fumonisin: in corn ears, 953; on rice sheath rot, 22
—vomitoxin, wheat scab effect, 625
Mycovellosiella oryzae, on rice, in Louisiana, 1282N
Myers, J. R., 1064N

Nadal, M., 914
Naemacyclus fimbriatus, on pitch pine, 959N
Nagakubo, T., 694
Nagarajan, S., 1368
Nagasawa, E., 537
Nagata, Tatsuya, 1403N
Nectarine, *Botrytis cinerea,* exudate effect, 165
Nectria galligena, on sweet birch, 440
Nelson, R. J., 1337
Nelson, R. L., 555
Neotyphodium coenophialum, on tall fescue, PCR detection, 738
Neumann, P., 959N
Newcombe, G., 590N
Nguyen, M., 223
Nickell, C. D., 555, 826
Niewoehner, A. S., 64
Nikolaeva, O. V., 1276
Nishimura, R., 1064N
Nitidulidae, oak wilt relation, 239
Nix, R. J., 1362
Nolan, P. A., 591N
Noling, J. W., 919
Norelli, J. L., 646
Nuclo, R. L., 661
Nuez, F., 1199, 1281N
Nutter, F. W., Jr., 547
Nyczepir, A. P., 573

Oak
—*Ophiostoma quercus* and *Ceratocystis fagacearum* on, nitidulid acquisition, 239
—*Xylella fastidiosa,* survey in Florida, 569
Oat golden stripe virus, resistance, 423
Oat mosaic virus, resistance, 423
Obst, N. R., 1048
Ocimum basilicum, leaf spot, in Louisiana, 1283N
Odvody, G. N., 356, 592N
Oeda, K., 694
O'Garro, L. W., 864
Ogoshi, A., 928, 1064N
Oidium sp.: on alfalfa, in Wisconsin, 832N; on poinsettia, in California, 128N; on poinsettia, cover photo, January; on white sweetclover, in Kansas, 710N
—*O. araliacearum,* on English ivy, in California, 127N
Olalde-Portugal, V., 127N
Olalla, L., 592N
Olanya, O. M., 832N
Olatunde, O., 129N
Oleson, A. E., 1362
Olivier, C., 213
Oña, I., 1337
Onion
—bacterial streak and bulb rot, survival and weed hosts, 935
—iris yellow spot virus, in Israel, 127N
Onion yellow dwarf virus, on garlic, symptoms and yield loss, 1381
Ophiosphaerella herpotricha, on bermudagrass, resistance, 771
Ophiostoma quercus, nitidulid acquisition, oak, 239
Ordoñez, M. E., 811
Origanum spp., rust, in California, 1172N
Osorio, J. A., 1232
Ostry, M. E., 1282N
Ota, Y., 537
Otten, L., 1288
Oyarzun, P., 811

Pacheco, D. A., 171
Padgett, G. B., 578, 1064N
Pair, S. D., 512
Pan, Y.-B., 285
Pane, A., 1281N, 1283N, 1401N
Pantoea stewartii, on corn, seed transmission, 775
Papaya
—dieback, histopathology and tissue distribution, in Australia, 1112
—fruit and root rot, in Samoa, 712N
—phytoplasma-associated diseases, epidemiology in Australia, 1107
Papaya ringspot virus, on zucchini, cross-protection in Brazil, 171
Paplomatas, E. J., 465
Pappas, A. C., 465
Pappu, H. R., 351N, 765, 900, 1121, 1282N
Pappu, S. S., 351N, 900, 1121
Pardo-Schultheiss, R. A., 732
Paris daisy (*Argyranthemum* [*Dendranthema*] *frutescens*), Fusarium wilt, 1403N
Parker, M. L., 573
Parra, G., 711N
Pasini, R., 391
Pataky, J. K., 57, 939
Paula, T. J., Jr., 1084
Payton, M. E., 771
Pea
—*Mycosphaerella pinodes* on: in Bulgaria, 830N; resistance, 251
—root rot, bioassay in soil, 386
Peach
—case study using World Wide Web, 452
—Phomopsis shoot blight, pruning and debris management, 565
—ring nematode, wheat interplanting effect, 573
—shoot blight, characterization, 732
Peach mosaic virus
—isolation and characterization, 909
—purification and characterization, 905
—transmission biology, 1371
Peanut
—collar rot, fungicide and resistant genotypes, 1205
—Indian peanut clump virus, seed transmission, 343
—pod rot, in North Carolina, 1345
—Sclerotinia blight, integrated management, 1312
—stem rot: fungicide sensitivity, 578; pentachloronitrobenzene tolerance, 103
—tomato spotted wilt virus, molecular diagnosis, 900
—tomato spotted wilt and peanut mottle viruses on, 610
Peanut stripe virus, strain differentiation, assay, 1121
Peanut stunt virus, taxonomic subgroup, in China, 992; on *Desmodium* sp., 1402N
Pear
—Armillaria root disease, distribution in California, 1226
—Asian, bud death, 732
—fire blight, biocontrol, 661
Pecan
—fungal leaf scorch, *Xylella* association, 264N
—Phytophthora shuck and kernel rot, 347
Pedersen, W. L., 826
Pederson, G. A., 1033
Pelargonium zonale, zeatin riboside concentration, 914
Pelosi, R. R., 208
Pemberton, I. J., 128N
Penicillium spp.
—*P. digitatum,* on grapefruit, control with forced air, 380
—*P. expansum,* on pome fruit, postharvest control, 689
Pennisetum glaucum
—downy mildew: resistance inheritance, 791; virulence characterization, 747
—Indian peanut clump virus, seed transmission, 343
Pennisi, A. M., 1283N
Pepper (see also *Capsicum*)
—bacterial spot, major gene resistance, 181
Perelló, A., 1062N
Pérez-Benlloch, L., 1281N
Pérez-Jiménez, R. M., 1088
Perkins, K. D., 1172N
Pernezny, K., 262N
Peronosclerospora sorghi, on sorghum, in Uganda, 757
Peronospora spp.
—*P. parasitica,* on arugula, in California, 1063N
—*P. sparsa,* on *Rubus arcticus,* detection by PCR, 1304
—*P. statices,* on statice, in California, 591N
Perring, T. M., 905
Perrotta, G., 1401N
Petersen, M. A., 1386
Petersen, W. L., 555
Peterson, P. D., 121
Petrzik, K., 544
Petunia vein-clearing virus, occurrence in USA, 262N
Pfleger, F. L., 386
Phaeoacremonium spp., on grape, decline in California, 590N
Phaeosphaeria spp., spore dispersal pattern, 187
Phaius tankervilliae, cymbidium mosaic virus, in Costa Rica, 1171N
Phaseolus vulgaris
—anthracose, race identification using molecular markers, 1084
—bacterial brown spot, copper-based bactericide for, 30
—halo blight, race characterization in South Africa, 307
—Phytophthora blight, ridomil gold insensitivity, 711N
Phialophora gregata, on adzuki bean, race detection, 928
Philley, G. L., 128N
Phillips, D. V., 1017
Phipps, P. M., 1205
Phoma terrestris, on corn, red root rot, 337
Phomopsis spp.
—on apple, blighted shoot, cover photo, July
—on cotton bolls, premature rot, 711N
—on peach: plum, and pear, characterization, 732; pruning and debris management effect, 565
Phototropism, *Botrytis cinerea* on broad bean, 850
Phyllactinia guttata, on *Cornus,* 383
Phyllosticta vaccinii, on cranberry, in Wisconsin, 350N
Phyllotreta cruciferae, cabbage leaf spot vector, 153
Physalis ixocarpa, powdery mildew, in California, 711N
Phytophthora spp.
—*P. cactorum:* on pecan, new disease, 347; on strawberry, control with fungicides and mulch, 329
—*P. capsici:* on bell pepper, ridomil gold for, 711N; on pepper, metalaxyl effect in Italy, 1283N; on pepper and tomato, phosphite effect, hydroponics, 1165
—*P. cinnamomi:* on avocado, first report in Italy, 1281N; avocado root rot, cover photo, November; on *Eucalyptus marginata,* oxygen effect, 368
—*P. citrophthora,* on citrus, root stalk resistance, 1217
—*P. colocasiae,* survival in soil, temperature and water matric effect, 203
—*P. infestans:* global marker database, 811; on potato, blight forecasting models, 642; on potato, resistance evaluation in tubers, 442; on potato, in Wisconsin, 434; on potato and tomato, A1 and A2 mating types in Nepal, 1064N
—*P. nicotianae:* on citrus, fumigation and chemical treatment for, 1323; on citrus, metalaxyl-resistant isolates, 254; on citrus seedlings, compost effect, 683; on papaya, in Samoa, 712N
—*P. parasitica,* on loquat, root and foot rot, in Taiwan, 651
—*P. sojae,* on soybean: new races in Australia, 1048; resistance, 303; response in China, 555; tillage practice effect, 1258
Phytoplasma, strawberry yellows, New Zealand, 606
Piccioni, D. E., 646
Picea glauca, tomentosus root disease, in Yukon, 264N
Pietersen, G., 1171N
Pineapple
—closterovirus-like particle of, mealybug wilt in Cuba, 263N
—mealybug wilt: cover photo, August; pattern analysis in Sri Lanka, 885
Pingali, P., 1055
Pinnow, D. L., 765, 807
Pinto, C. M. F., 1142
Pinus rigida, Naemacyclus fimbriatus, 959N
Piper (see *Capsicum* and pepper)
Pistacia vera, basal canker, in South Africa, 960N
Pita, J. S., 1172N
Plasmodiophora brassicae, on cabbage, in North Carolina, 129N
Plasmopara helianthi, on sunflower, race 2 in Italy, 263N
Platis, C. E., 1132
Plattner, R. D., 953
Plectosporium tabacinum, on arrowhead
—cover photo, June
—mycoherbicide potential, 657
Plum
—*Botrytis cinerea,* exudate effect, 165
—shoot tissue necrosis, characterization, 732
Plum pox virus, cause of sharka disease, in Lithuania, 1405N
Poa pratensis, ergot, distribution and seed loss, 89
Podosphaera clandestina, on sweet cherry, weather factors, latent period, 741
Poinsettia, powdery mildew, in California, 128N
Polianthes tuberosa, mosaic, characterization, 45
Polston, J. E., 1147
Poplar, leaf blight, in Pacific Northwest, 590N
Porch, D. W., 117
Porchas, M., 1217
Porter, D. M., 1205
Porter, G. A., 832N
Postharvest pathology
—carrot soft-rotting bacteria, inhibition by EDTA and nisin, 491
—cherry brown rot and blue mold, iprodione and atmosphere packaging for control, 1158
—citrus anthracnose, survival on fruit, 415
—fruit fumigation, organic acids, 689
—grapefruit, green mold, hot air for control, 380
—stone fruit brown rot, biocontrol agents and factors, 1210

Potato
—common and deep pitted scab, determination method, 631
—late blight: A1 and A2 mating types in Nepal, 1064N; forecasting models, 642; resistance evaluation in tubers, 442; in Wisconsin, 434
—*Rhizoctonia solani*, AG-7, in Mexico, 127N
—silver scurf, postharvest treatments, 213
Potato carlavirus M, new strain, 98
Potato tuber necrotic ringspot virus, in Italy, 350N
Potato virus A, detection in dormant tubers, 230
Potato yellow mosaic virus, on tomato, in Eastern Caribbean, 126N
Powell, C. A., 208
Pratt, P. W., 114, 832N
Pratt, R. G., 1033, 1161
Pretorius, M. C., 1323
Pringlea antiscorbutica, Botrytinia fuckeliana on, in Marion Island, 710N
Prohens, J., 1281N
Prunus spp.: brown rot, apothecial development on fruits, 1375; postharvest brown rot, wounding and inoculum density, biocontrol, 1210
—*P. avium,* zeatin riboside concentration, 914
Prunus necrotic ring spot virus, *Rubus ellipticus* host in India, 1283N
Pryor, B. M., 891
Pscheidt, J. W., 397
Pseudocercospora ceratoniae, on carob, leaf spot, cover photo, December; on carob, in Sicily, 1401N
Pseudomonas spp.: on carrot, soft rot control, postharvest, 491
—*P. cichorii,* on basil, in Louisiana, 1283N
—*P. syringae:* on bean, copper-based bactericide treatment, 30; on bean, races in South Africa, 307; on broccoli, cover photo, July; on broccoli raab, new, 727; on *Kalmia latifolia*, leaf blight, 1171N; on lilac, copper bactericides, 397; pv. *tabaci,* new race, on tobacco, in Zimbabwe, 1404N
—*P. viridiflava,* on onion, epiphytic survival and weed hosts, 935
Psidium guajava, on *Eucalyptus* spp., international implications, 819
Puccinia spp.
—*P. carduorum,* on musk thistle, in Oklahoma, 832N
—*P. graminis,* on barley, race QCCJ effect on yield and quality, 674
—*P. psidii* on *Syzygium jambos*, cover photo, July
—*P. recondita:* physiologic specialization in Nebraska, 679; on wheat, economic effect, 1055; on wheat, overwintering in Great Plains, 987
—*P. sherardiana,* on globe mallow, 831N
—*P. sorghi,* on corn: fungicides, 547; resistance, 939
—*P. triticina,* on wheat, virulence and diversity in USA in 1993-1995, 1391
Pucciniastrum vaccinii, on blueberry, first report in Argentina, 1062N
Purcifull, D. E., 1172N, 1386
Purple coneflower, phyllody, aster yellows phytoplasma, cover photo, October
Pushpavathi, B., 747
Putnam, M. L., 1171N
Pyrenophora teres, on barley, resistance, 316
Pyricularia oryzae
—on *Ctenanthe oppenheimiana* and *C. setosa*, new leaf spot, 465
—on rice, seedborne infection and transmission, 1093
Pyrus pyraster, fire blight, in Bulgaria, 1283N
Pythium spp.: on corn, damping-off and control, 294; hyphal swelling group, characterization, 218; on sugar beet, metalaxyl sensitivity, 896
—*P. arrhenomanes,* sugarcane red rot affected by, 1237
—*P. irregulare,* on corn, red root rot, 337
—*P. myriotylum,* on lettuce, in commercial production facility, 831N
—*P. oligandrum,* on pepper, Verticillium wilt control, 1100
—*P. polymastum,* on broccoli and cauliflower, in California, 1282N
—*P. ultimum,* on bean, cabbage, and sugar beet, detection using ELISA, 1029

Quick, J. S., 300
Quitugua, R. J., 203

Raccah, B., 127N
Rademacher, M. R., 107
Radopholus similis, on banana, dissemination in Latin America and the Caribbean, 964
Raid, R. N., 57
Rajab, K., 1403N
Rajak, R. L., 262N
Rajaram, S., 1055
Rakocy, J., 831N
Ralstonia solanacearum, on tomato, resistance, 74
Ram, R., 1283N
Ramirez, P., 50
Randrianaivoarivony, J. M., 1063N
Rao, V. P., 747
Rasmusson, D. C., 316
Red clover vein mosaic virus, on lentil, in Pacific Northwest, 1064N
Reddy, A. S., 343
Reddy, D. V. R., 343
Reddy, O. R., 262N
Rehner, S. A., 732
Reilly, C. C., 347
Resistance
—alfalfa to *Sclerotinia trifoliorum*, leaf inoculation, 1161
—anthurium to bacterial blight, 800
—apple to scab, economics, 428
—barley to net blotch, 316
—Bermudagrass to spring dead spot, 771
—*Botryotinia fuckeliana* to anilinopyrimidines, genetic basis, 496
—*Capsicum pubescens* to *Xanthomonas campestris* race 6, 794
—chrysanthemum to tomato spotted wilt virus, 407
—corn to Diplodia ear rot, diallel analysis, 699
—corn to maize rayado fino virus, 50
—corn to wilt, rust, and leaf blights, 939
—horseradish to *Verticillium dahliae*, 176
—oat to oat mosaic and oat golden stripe viruses, 423
—pea to *Mycosphaerella pinodes*, 251
—pearl millet to downy mildew, 791
—rice to bacterial blight, 1337
—soybean to cyst nematode, 615
—soybean to frogeye leaf spot, isolines, 1017
—soybean to *Phytophthora sojae*, 303; in China, 555
—soybean to *Sclerotinia sclerotiorum*, 1264
—sweet corn to northern leaf blight, yield effect, 57
—tomato to bacterial wilt, diallel analysis, 74
—wheat to leaf rust, economic effect of breeding, 1055
Reviewers, acknowledgment, 130
Revilla, P., 939
Rey, C., 1172N
Rey, M. E. C., 765
Rezende, J. A. M., 171
Rhizoctonia spp., on cotton, biocontrol in fields, 291
—*R. solani:* on *Ambrosia grayi*, in Texas, 959N; on cotton, herbicide effect, 110; on perennial ryegrass, temperature and leaf wetness effects, 1012; on potato, AG-7, in Mexico, 127N; on tobacco, in Zimbabwe, 263N; *Trichoderma* and *Gliocladium* for control, several crops, 501; on zoysia grass, characterization and survival, 857
Rhizopus stolonifer
—on almond, cover photo, September
—on stone fruit, postharvest disease control, 689
Rhopalosiphum maidis, barley yellow dwarf virus vector on wheat, 1328
Ribeiro, S. G., 830N
Riccioni, L., 959N
Rice
—bacterial blight, epidemics and resistance, 1337
—bacterial leaf streak, leaf inoculation method, 1007
—blast: mating types in India, 36; seedborne infection and transmission, 1093
—diseases and yield losses, in tropical Asia, 705
—Fusarium sheath rot, fumonisin occurrence, 22
—white leaf streak, in Louisiana, 1282N
Rice, L. G., 22
Rinker, D. L., 1404N
Ristaino, J., 711N
Ritchie, D. F., 181
Rivera, C., 1171N
Rivera-C, J. M., 547
Rizzo, D. M., 1226
Robb, K. L., 591N
Roberto, S. R., 94
Roberts, J. J., 1391
Roberts, P. D., 712N
Rodríguez-Cerezo, E., 1171N
Rodriguez Pardina, P. E., 149
Roelfs, A. P., 316, 674, 1172N
Rogers, D. L., 501
Roggero, P., 351N
Romero, R. A., 931
Rosellinia necatrix, on *Cyperus esculentus*, in Spain, 1281N
Ross, P. F., 22
Rouquette, F. M., Jr., 128N
Routh, G., 880
Rowe, D. E., 1033, 1161
Rowhani, A., 880
Rubies-Autonell, C., 712N
Rubus sp., *Cephaleuros virescens*, on, 263N
—*R. arcticus,* powdery mildew, PCR detection, 1304
—*R. ellipticus,* Prunus necrotic ring spot virus host, in India, 1283N
—*R. ulmifolius,* zeatin riboside concentration, 914
Rufflard, G., 785
Rufty, R. C., 1319
Rush, C. M., 1039
Rush, M. C., 1282N
Russian-thistle, *Colletotrichum gloeosporioides,* 1405N
Russin, J. S., 1341
Rutledge, S. S., 679
Ryley, M. J., 356, 1048

Saenz, G. S., 127N, 128N
Sagittaria trifolia, mycoherbicide for, potential, 657
Sahin, F., 262N, 794
Sales, R., 1281N
Salker, S. L., 423
Salomon, R., 127N
Samac, D. A., 1362
Samita, S., 885

Sanderlin, R. S., 264N
Sane, P. V., 126N
Sanhueza, R. M., 267
Sansford, C. E., 1403N
Santini, J. B., 1012
Sasnauskas, K., 1405N
Sathyanarayana, N., 262N
Sato, K., 1064N
Savary, S., 705
Saxena, S., 126N, 127N
Sayre, K., 1055
Schabenberger, O., 625
Scharen, A. L., 187
Scheck, H. J., 397, 590N
Scherm, H., 1152
Schesser, M., 1350
Schizaphis graminum, barley yellow dwarf virus vector on wheat, 1328
Schnabel, E. L., 1334
Schueneman, T. J., 57
Schwarczinger, I., 711N, 1405N
Schwartz, H. F., 30
Sciumbato, G. L., 22
Sclerospora graminicola, on pearl millet: resistance inheritance, 791; virulence characterization, 747
Sclerotinia spp.: on lettuce, drop, cover photo, October; on lettuce, drop, integrated management, 1068
—*S. minor:* on bell pepper, in California, 832N; on peanut, integrated management, 1312
—*S. sclerotiorum:* on potato, cover photo, May; in soybean, in fields and seed lots, Illinois, 560; on soybean, in Maine, 832N; on soybean, resistance, 1264; on soybean, sclerotial production in soil, 264N; on soybean, yield and seed quality, 826; on tobacco, inoculum quantification, 485
—*S. trifoliorum,* on alfalfa, resistance and leaf inoculation, 1161
Sclerotium spp.
—*S. cepivorum,* on garlic, planting date effect, 1142
—*S.rolfsii:* on peanut, fungicide sensitivity, 578; on peanut, pentachloronitrobenzene tolerance, in Texas, 103
Scogin, V. L., 832N
Scott, P. T., 1107, 1112
Seem, R. C., 761
Seifers, D. L., 875
Semb, L., 761
Senna obtusifolia, Cylindrocladium black rot, first report, 1064N
Sesbania speciosa, bean yellow mosaic virus on, 807
Shabi, E., 596
Shahjahan, A. K. M., 1282N
Shannon, G., 1017
Sharka disease, caused by plum pox virus, in Lithuania, 1405N
Sharma, A., 1283N
Shatla, M. N., 291
Shaw, M., 512
Shelby, R. A., 592N
Shellie, K. C., 380
Sherman, J. M., 407
Sherwood, J. L., 1282N
Shew, B. B., 1345
Shew, H. D., 485
Shier, W. T., 22
Shim, M.-Y., 103
Shipe, E. R., 1017
Shohara, K., 470
Sholberg, P. L., 689
Shrestha, K., 1064N
Shrestha, S. K., 1064N
Siddique, A. B. M., 1112
Sikora, E. J., 117
Sim, J., 1253
Simone, G. W., 831N, 1386
Singh, B. P., 126N, 127N
Singh, M., 230
Singh, R. P., 230, 1055
Singh, S. D., 791
Šíp, M., 544
Sirococcus clavigignenti-juglandacearum, on butternut, first report in New Brunswick, Canada, 1282N
Sittertz-Bhatkar, H., 512
Skaria, M., 380
Skarmoutsos, G., 129N
Skarmoutsou, H., 129N
Smale, M., 1055
Smedegaard-Petersen, V., 1093
Smith, B. J., 924
Smith, D. M., 1328
Smith, F. F., 711N
Smith, G. R., 128N
Smith, V. R., 710N
Sobero y Rojo, M. P., 1063N
Soffes Blount, A. R., 1017
Soil solarization, white root rot control in avocado, 1088
Solanum muricatum, tomato mosaic virus, 1281N
Soler, S., 1199, 1281N
Sonhaji, M., 850
Sonoda, R. M., 208, 262N
Sorghum
—*Claviceps africana* in USA, 592N
—downy mildew, in Uganda, 757
—ergot: in Mexico, 447N; in Mississippi, 590N; threat in Americas and Australia, 356; weather and potential in South Africa, 26
—head smut, infection assay, 1232
Soria, S. L., 69
Souche, S., 1381
Soybean
—anthracnose, 959N
—charcoal rot, tillage effect and yield, 247
—cyst nematode, cropping sequence and seed yield, 615
—*Diaporthe phaseolorum* var. *meridionalis,* from Ghana, 1401N
—disease loss estimates, southern USA, 114
—frogeye leaf spot, resistance, 1017
—*Mycoleptodiscus terrestris* on, in Wisconsin, 126N
—Phytophthora root rot, races in Australia, 1048
—Phytophthora root and stem rot: resistance and yield, 303; tillage practice effect, 1258
—Phytophthora rot, resistance in China, 555
—plumele soft rot, in Argentina, 1063N
—*Sclerotinia sclerotiorum,* in fields and seed lots, 560
—Sclerotinia stem rot, yield and seed quality, 826
—seed infection: detection by ultrasound, 584; with *Sclerotinia,* 264N
—stem rot, resistance, 1264
—sudden death syndrome: in Canada, 448N; *Fusarium solani,* 999; soil variables in Iowa, 1152
—white mold, in Maine, 832N
Speijer, P. R., 129N
Spence, N. J., 960N
Sphacelia sp., on sorghum, in Mississippi, 590N
—*S. sorghi,* on sorghum, cover photo, April
Sphaeralcea spp., leaf and stem rust, in North America, 831N
Sphaerotheca fusca, on tomatillo, in California, 711N
Sporisorium reilianum, on sorghum, infection assay, 1232
Spotts, R. A., 1158
Spruce, western dwarf mistletoe, in California, 351N
Spruce brown felt blight, cover photo, March
Squash, viruses, resistance and fruit yield, coat protein gene effect, 1350
Squash yellow leaf curl virus, whitefly-transmitted, 475
Stagonospora spp., spore dispersal pattern, 187
—*S. curtisii,* on amaryllis, cover photo, April
St.-Arnaud, M., 959N
St. Martin, S. K., 303
Stanghellini, M. E., 831N, 1165
Staniulis, J., 1405N
Stankiene, J., 1405N
Staples, M. S., 1171N
Starr, J. L., 103
Stemphylium solani, on cotton, outbreak in Brazil, 333
Stenocarpella maydis, on corn:
—ear rot resistance, 699
—tillage effect, 781
Stensvand, A., 761
Stevenson, K. L., 565, 578, 732
Stevenson, W. R., 434
Stobbs, L. W., 351N
Stockwell, V. O., 661
Stommel, J. R., 391
Stowell, L. J., 836
Stravato, V. M., 351N
Strawberry
—leather rot, control with fungicides and mulch, 329
—lethal yellows, *Phorium* association, 606
Strawberry vein banding virus, American and European sources, coat protein sequence homology, 544
Streptomyces scabies, on potato, soil isolation methods, 631
Striga gesnerioides, host effect on germination, 1242
Stuteville, D. L., 710N, 832N
Subbarao, K. V., 322, 1068, 1172N
Sugar beet
—Cercospora leaf spot, model, 716
—Fusarium root rot, temperature and soil moisture effect, 1039
—*Pythium,* metalaxyl sensitivity, 896
Sugarcane
—ratoon stunting, pathogen detection, 285
—red rot, Pythium root rot and oxygen effect, 1237
Sugar, D., 661
Süle, S., 1288
Sumner, D. R., 935
Sunflower
—downy mildew, race 2 in Italy, 263N
—leaf spot in Greece, yield effect, 41
—potyvirus, characterization in Argentina, 470
—virosis, cover photo, May
Sutherland, J. R., 210
Sutherland, P. W., 606
Sutton, T. B., 267, 931, 964
Sutula, C. L., 1029
Suzuki, K., 537
Swart, W. J., 960N, 1062N
Sweet cherry, brown rot and blue mold, pre- and postharvest control, atmosphere packaging, 1158
Sweetpotato
—bacterial root and stem rot, in Louisiana, 129N
—Fusarium wilt, isolate relations, 530
—geminiviruses, detection in USA, 1253
—potyvirus differentiation, PCR transcription, 223
Sweetpotato chlorotic stunt virus, strain of sweetpotato virus in South Africa, 1063N
Sweetpotato feathery mottle virus, significance in Africa, 4
Sweetclover, powdery mildew, in Kansas, 710N

Takaichi, M., 694
Taliaferro, C. M., 771
Talukdar, B. S., 791
TeBeest, D. O., 374
Teng, P. S., 705
Terashita, T., 537
Thakur, R. P., 747
Thanassoulopoulos, C. C., 41
Thielaviopsis basicola, on tomato, in California, 447N
Thlaspi arvense, Alternaria brassicicola on, new host, 960N
Thomas, J. E., 1171N
Thomas, J. S., 1328
Thottappilly, G., 16
Thuja plicata, leaf blight, protein analysis, 210
Tikhonova, I., 1012
Tilletia spp., teliospores, extraction and enumeration in soil, 1357
—*T. indica,* on wheat, flag leaf and spike emergence relation, 1368
Tillman, B. L., 1341
Timmer, L. W., 254, 415, 983
Tisserat, N. A., 771
Tjosvold, S. A., 591N, 1172N
Tobacco
—collar rot, inoculum quantification, 485
—cucumber mosaic virus, *Commelina* spp. effect, 1172N
—*Fusarium oxysporum,* isolate relations, 530
—*Pseudomonas syringae* pv. *tabaci,* new race, in Zimbabwe, 1404N
—*Rhizoctonia solani*, in Zimbabwe, 263N
—root rot, resistance gene, mapping, 1319
Tobacco rattle virus, on anemone, in USA, 712N
Tobacco streak ilarvirus, on honeysuckle, 1402N
Todd, J. W., 900, 1121, 1282N
Tolin, S. A., 836
Tomassoli, L., 350N
Tomato
—anthracnose, dew period and temperature effects, 639
—anthracnose and black dot, survival in tissue and soil, 235
—bacterial stem rot, in Florida, 831N
—bacterial wilt, resistance, diallel analysis, 74
—black root rot, in California, 447N
—chrysanthemum stem necrosis tospovirus, in Brazil, 1403N
—cucumber mosaic virus, field tolerance, 391
—epidemic, multivirus in Alabama, 117
—Fusarium crown and root rot, metam sodium for management, in Florida, 919
—Fusarium wilt, biocontrol, 1022
—geminiviruses, new biotype in Brazil, 830N
—late blight, A1 and A2 mating types in Nepal, 1064N
—Phytophthora root and crown rot, phosphite effect in hydroponic culture, 1165
—potato yellow mosaic virus, 126N
—powdery mildew: in Florida, 262N; in Spain, 592N
Tomato chlorosis virus, cover photo, March
Tomato infectious chlorosis virus, detection, 84
Tomato mosaic virus, on *Solanum muricatum,* 1281N
Tomato mottle virus
—location in whitefly vector, 1147
—in Yucatan, Mexico, 592N
Tomato spotted wilt virus
—on chrysanthemum, viral nucleocapsid gene, 407
—on cotton, 959N
—multiplication in tobacco thrips, 1282N
—on peanut: cover photo, August; molecular diagnosis, 900; peanut mottle virus association, 610
—on pepper and tomato, epidemiology in Georgia, 752
—on watermelon, in Georgia, 351N
Torés, J. A., 592N
Torrance, R., 935
Tosi, L., 263N
Tousignant, M. E., 391, 1298
Tracy, W. F., 939
Trapero-Casas, A., 1063N
Trevathan, L. E., 590N
Trichoderma harzianum biotype Th4, on button mushrooms, in California, 1404N
Trichoderma sp., biocontrol agent for *Rhizoctonia solani*, 501
Tricoli, D. M., 1350
Trifolium vesiculosum, Pythium, Rhizoctonia, and *Fusarium* complex, 128N
Trigiano, R. N., 383
Triumffeta rhomboidiaceae, yellow net, in India, 127N
Tropaeolum mosaic virus, on mashua, in Ecuador, 69
Tropaeolum tuberosum, virus occurrence, in Ecuador, 69
Trujillo, E. E., 203, 712N
Truol, G., 149
Tsai, J. H., 1147
Tsror (Lahkim), L., 437
Tubajika, K. M., 1341
Tuberose mild mosaic virus, on *Polianthes*, in Taiwan, 45
Turfgrass, snow mold control, 1003
Turnip yellow mosaic virus, on crucifers, in Canada, 351N
Tylenchulus semipenetrans, on citrus, fumigation and chemical treatment, 1323
Tyler, D. D., 247
Tylka, G. L., 1258
Typhula phacorrhiza, gray snow mold control by, 1003

Uchino, H., 218
Uddin, W., 565, 732
Ueno, B., 712N
Umesh, K. C., 1271
Urocystis agropyri, cause of flag smut, on wheat, in the U.K, 1403N
Usugi, T., 470
Uyemoto, J. K., 871

Vail, M. E., 107
Vajna, L., 711N, 1405N
Valkonen, J. P. T., 4, 1304
Valverde, R. A., 1253
VanDriel, L., 351N
Vann, S. R., 263N
Vasquez, S. J., 590N
Vavrina, C. S., 919
Vega, R., 69
Velvet ash, anthracnose, caused by *Discula fraxinea,* in Louisiana, 1401N
Venturia inaequalis
—on apple: cover photo, April, August; resistance and fungicides, control economics, 428
—ascospore dissemination, dew effect, 761
Vera Cruz, C. M., 1337
Verdier, V., 79
Verticillium dahliae
—on *Ailanthus glandulosa,* wilt, in Greece, 129N
—on horseradish, resistance in Illinois, 176
—on paprika, virulent isolate, 437
—on pepper, biocontrol with *Pythium*, 1100
Vetten, H. J., 1063N
Viaene, N. M., 945
Vicent, A., 1281N
Vicia faba
—*Botrytis cinerea*, phototropism, 850
—chocolate spot, in California, 831N
Vidaver, A. K., 836
Vigna spp.
—*V. angularis,* brown stem rot, race detection, 928
—*V. unguiculata: Alternaria cassiae*, 1171N; cucumber mosaic virus, seedborne, 419, *703*
Viji, G., 36
Villalobos, W., 1171N
Virgen-Calleros, G., 127N
Viruses
—mosaic, on melon in Spain, 979
—woody plants, PCR detection, 880
Vujanovic, V., 959N
Vuylsteke, D. R., 1403N

Wai, T., 391
Walcott, R. R., 584
Walgenbach, J. F., 959N
Walla, J. A., 1404N
Walsh, K. B., 1107, 1112
Wang, J. F., 74
War Emergency Board, America plant pathologists, history, 121
Ware, A. B., 1323
Warren, H. L., 699
Wasabi japonica, cucumber mosaic virus, in Australia, 590N
Washington, J. R., 1185, 1191
Watermelon (see also Melon)
—potyvirus, characterization, in Florida, 1386
—tomato spotted wilt virus, in Georgia, 351N
Waterworth, H. E., 1402N
Watkins, J. E., 679
Weaver, D. B., 1017
Webb, S. E., 1147
Wegulo, S. N., 547, 1264
Wehner, F. C., 781, 1323
Wei, Q., 285
Wells, J. M., 491
Welty, R. E., 738
Wernsman, E. A., 1319
Westendorp, J. A., 712N
Wheat
—bacterial leaf streak, leaf symptoms and seed transmission, 1341
—barley yellow dwarf virus: aphid vectors in South Carolina, 1328; yield effect, 620
—Cephalosporium stripe: pH and matric potential effect, 975; seedling assay, hydroponic, 1126
—dryland root rot, resistance evaluation, 300
—flag smut, caused by *Urocystis agropyri*, in the U.K, 1403N
—High Plains virus, host range, 875
—Karnal bunt, flag leaf and spike emergence, 1368
—leaf rust: economic effect, 1055; overwintering in Great Plains, 987; physiologic specialization in Nebraska, 679; virulence and diversity in USA in 1993-1995, 1391
—Mal de Río Cuarto virus, in Argentina, 149
—powdery mildew, virulence in eastern USA, 64
—scab, vomitoxin and epidemics, 625
Wheat streak mosaic virus, High Plains virus mixture, wheat curl mites, 311
Wheeler, T. A., 959N
White, D. T., 1107, 1112
White, T., 264N
Whiting, E. C., 1226
Whittington, D. P., 337
Wicklow, D. T., 1132
Widmer, T. L., 683
Widner, J., 716
Wilcox, J. R., 303
Wilcox, W. F., 329, 1062N
Wilkinson, H. T., 1402N

Williams, O. A., 1242
Williams, P. R., 129N
Williams, W. P., 281
Williams-Woodward, J. L., 386
Wilson, C. R., 590N
Winchester, J., 959N
Windels, C. E., 716, 896
Windham, G. L., 281
Windham, M. T., 383
Wingfield, M. J., 819
Wisler, G. C., 84, 270, *704*
Witches'-broom, on lilac, in North Dakota, 1404N
Wolcan, S., 1405N
Wolffhechel, H., 1401N
Wolpert, J. A., 107
Wood, G. A., 606
Woodard, K. E., 103
Woody plants, viruses of, PCR for detection, 880
Workneh, F., 264N, 1258
Wrather, J. A., 114, 247
Wright, G. C., 1217
Wu, C., 1003

Xanthomonas spp., on carrot, soft rot control, postharvest, 491
—*X. axonopodis,* on cassava, detection by PCR, 79
—*X. campestris:* on anthurium, cultivar resistance, 800; on anthurium, interception from plants in Netherlands, 262N; on bell pepper, cover photo, February; on bell pepper, resistance, 181; on carrot, seed contamination, 1271; host range, 262N; on pepper, race 6 resistance, 794; on tomato and pepper, in East Caribbean islands, control, 864
—*X. oryzae:* on rice, epidemics and resistance, 1337; on rice, leaf inoculation method, 1007
—*X. translucens,* on wheat, leaf symptoms and seed transmission, 1341
Xia, F. Z., 223
Xia, J. Q., 1029
Xiaoping, F., 992
Xie, G. L., 1007
Xylella fastidiosa
—on coffee: citrus chlorosis relation, 94; cover photo, January
—on oak, survey in Florida, 569
—on pecan, leaf scorch association, 264N
—on periwinkle, in Brazil, 712N

Yamamoto, M., 694
Yang, X. B., 264N, 1152, 1258, 1264
Yi, H.-Y., 1319
Yin, Z., 1237
Yonce, H. D., 919
Yorinori, M. A., 712N
Young, H. R., 651
Young, L. D., 615
Youngquist, W., 679
Yuen, G. Y., 128N, 1029

Zaidi, A. A., 1283N
Zaki, K., 291
Zazzerini, A., 263N
Zea-Bonilla, T., 1088
Zehnder, G. W., 117
Zehr, E. I., 573
Zerbini, F. M., 830N
Zeyong, X., 992
Zhang, Y.-P., 871
Zhongyi, Z., 992
Zitko, S. E., 254, 415, 983
Zitter, T. A., 479
Zouba, A. A., 475
Zoysia spp., large patch disease, survival, 857
Zucchini lethal chlorosis tospovirus, on cucumber, in Brazil, 1403N
Zummo, N., 590N